

Claims

1 1. An adjustable brake and throttle pedal assembly for a vehicle
2 comprising:
3 a support bracket mounted to said vehicle;
4 a support arm having one end pivotally mounted to said bracket;
5 a throttle pedal arm pivotally mounted to another end of said support
6 arm;
7 a first adjustment mechanism extending between said support arm and
8 said throttle pedal arm, said first adjustment mechanism having a screw rod
9 attached to one of said throttle pedal arm and said support arm;
10 a brake pedal arm having one end pivotally mounted to said support
11 bracket; and
12 a second adjustment mechanism operatively connected to said first
13 adjustment mechanism, said second adjustment mechanism having a screw rod
14 attached to said brake pedal arm wherein said first adjustment mechanism and
15 said second adjustment mechanism cooperatively position the throttle pedal
16 arm and the brake pedal arm at a selected position between a retracted position
17 and an extended position.

1 2. The adjustable brake and throttle pedal assembly of claim 1
2 wherein said support arm has a portion extending in a direction outwardly from
3 said bracket over said first adjustment mechanism.

1 3. The adjustable brake and throttle pedal assembly of claim 2
2 wherein said throttle pedal arm has an upper portion and a lower portion which
3 extends from said upper portion in a direction towards said bracket and under
4 said first adjustment mechanism.

1 4. The adjustable brake and throttle pedal assembly of claim 1
2 further comprising a motor mounted to said bracket and a drive cable
3 interconnecting said motor with said first adjustment mechanism and said
4 second adjustment mechanism.

1 5. The adjustable brake and throttle pedal assembly of claim 1
2 wherein said support arm includes a vertically extending portion and said
3 throttle pedal arm has an upper portion which is substantially parallel to said
4 vertically extending portion of said support arm when said throttle pedal arm is
5 in said retracted position.

1 6. The adjustable brake and throttle pedal assembly of claim 5
2 wherein said first adjustment mechanism extends between said vertically
3 extending portion of said support arm and said upper portion of said throttle
4 pedal arm.

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1 7. The adjustable brake and throttle pedal assembly of claim 1
2 further comprising:

3 an electronic control mounted to said bracket, said electronic
4 control providing a signal indicative of a position of said throttle pedal
5 arm assembly.

- 1 8. An adjustable brake and throttle pedal assembly for a vehicle
2 comprising:
- 3 a support bracket mounted to said vehicle;
- 4 a support arm having one end pivotally mounted to said bracket, said
5 support arm having a lower portion and an upper portion extending in a
6 direction outwardly from said bracket;
- 7 a throttle pedal arm pivotally mounted to another end of said support
8 arm, said throttle pedal arm having a lower portion which extends in a direction
9 towards said support bracket;
- 10 a first adjustment mechanism extending between said support arm and
11 said throttle pedal arm, said first adjustment mechanism having a screw rod
12 attached to one of said throttle pedal arm and said support arm, and extending
13 between said upper portion of said support arm and said upper portion of said
14 pedal arm;
- 15 a brake pedal arm having one end pivotally mounted to said support
16 bracket;
- 17 a second adjustment mechanism having a screw rod operatively
18 attached to said brake pedal arm;

19 a connecting means interconnecting said first adjustment mechanism
20 and said second adjustment mechanism, wherein said first adjustment
21 mechanism and said second adjustment mechanism cooperatively position both
22 the throttle pedal arm and the brake pedal arm at a desired position between a
23 retracted position and an extended position; and

24 an electronic control mounted to said bracket, said electronic control
25 providing a signal indicative of a position of said throttle pedal arm.

1 9. The adjustable brake and throttle pedal assembly of claim 8
2 further comprising a motor mounted to said bracket and a drive cable
3 interconnecting said motor with said first adjustment mechanism and said
4 second adjustment mechanism.

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1 10. The adjustable brake and throttle pedal assembly of claim 8
2 wherein said first adjustment mechanism extends between said vertically
3 extending portion of said support arm and said upper portion of said throttle
4 pedal arm